

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
12 April 2001 (12.04.2001)

PCT

(10) International Publication Number
WO 01/25163 A1(51) International Patent Classification⁷: **C04B 28/02,**
E21B 33/13 // (C04B 28/02, 14:36, 16:04)(FR). **THIERCELIN, Marc** [FR/FR]; 34, rue de Marnes,
F-92410 Ville d'Avray (FR).(21) International Application Number: **PCT/EP00/09203**(74) Agent: **MENES, Catherine**; Etudes et Productions
Schlumberger, Division Dowell, 26, rue de la Cavée, BP
202, F-92142 Clamart Cedex (FR).(22) International Filing Date:
19 September 2000 (19.09.2000)

(25) Filing Language: English

(81) Designated States (*national*): AL, AM, AT, AU, AZ, BA,
BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES,
FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG,
MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN,
YU, ZW.

(26) Publication Language: English

(30) Priority Data:
99/12661 7 October 1999 (07.10.1999) FR(71) Applicant (*for all designated States except CA, FR, US*):
SOFITECH N.V. [BE/BE]; Rue de Stalle 142, B-1180
Brussels (BE).(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).(71) Applicant (*for CA only*): **SCHLUMBERGER CANADA**
LIMITED [CA/CA]; 24th floor, Monenco Place, 801 6th
Avenue, S.W., Calgary, Alberta T2P 3W2 (CA).(71) Applicant (*for FR only*): **COMPAGNIE DES SER-**
VICES DOWELL SCHLUMBERGER [FR/FR]; 50,
avenue Jean Jaurès, F-92541 Montrouge (FR).Published:
— *With international search report.*

(72) Inventors; and

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.(75) Inventors/Applicants (*for US only*): **LE ROY-DE-**
LAGE, Sylvaine [FR/FR]; 6, rue Dulac, F-75015 Paris(54) Title: **CEMENTING COMPOSITIONS AND APPLICATION OF SUCH COMPOSITIONS FOR CEMENTING OIL WELLS
OR THE LIKE**(57) Abstract: The present invention provides cementing compositions for an oil well or the like, comprising an hydraulic binder, dense particles with a density higher than the density of the hydraulic binder, and reinforcing particles with a density of less than 1.5 g/cm³, preferably less than 1.2 g/cm³, constituted by a flexible material or rubber, of low compressibility and with an average grain size of less than 600 µm. The compositions of the invention are of particular advantage when cementing zones which are subjected to extreme stresses, such as perforation zones and the junctions of a multi-branch lateral well. They are also highly suitable for producing plugs.

WO 01/25163 A1